

Title (en)
Picture decoding method and decoding device

Title (de)
Bilddecodierungsverfahren und Decodierungsvorrichtung

Title (fr)
Procédé et dispositif de décodage d'image

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Application
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• EP 02755918 A 20020813

Abstract (en)
A decoding device (40) comprising: a demultiplexer (21) configured to receive the coded picture signal (Str) and to demultiplex the coded picture signal (Str) into the header stream (Str_H) and the frame stream (Str_F); a header stream decoding unit (26, 41, 42, 43) configured to receive the header stream (Str_H) and to perform a decoding process on the header information using a plurality of non-arithmetic decoding methods; and a frame information decoding unit (44) configured to receive the frame stream (Str_F) and to perform a decoding process on the frame information using only a single decoding method of an arithmetic decoding method so as to output all decoded macroblocks of the slice data, wherein the header stream decoding unit (26, 41, 42, 43) includes a selecting unit (26) configured to select one of a fixed length decoding method or a variable length decoding method according to a syntax structure signal (Stx_H), and wherein the header stream decoding unit (26, 41, 42, 43) is configured to decode the header information corresponding to a fixed length code, using one of a plurality of fixed length decoding methods according to the syntax structure signal (Stx_H), when the fixed length decoding method is selected by the selecting unit (26), and the header stream decoding unit is configured to decode the header information corresponding to a variable length code, using one of a plurality of variable length decoding methods according to the syntax structure signal (Stx_H), when the variable length decoding method is selected by the selecting unit (26).

IPC 8 full level
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CPC (source: EP KR US)
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Citation (search report)
• [X] "LINE TRANSMISSION OF NON-TELEPHONE SIGNALS VIDEO CODING FOR LOW BITRATE COMMUNICATION", ITU-T RECOMMENDATION H.263, XX, XX, 2 May 1996 (1996-05-02), pages I - IV, 01, XP001025117
• [X] "Video coding for low bit rate communication; H.263 (03/96)", ITU-T STANDARD, INTERNATIONAL TELECOMMUNICATION UNION, GENEVA ; CH, no. H.263 (03/96), 20 March 1996 (1996-03-20), pages 1 - 52, XP017434879
• [A] SKRAN D: "Liaison statement concerning future work on H.263+", 16. LBC MEETING; 25-2-1997 - 28-2-1997; NICE; (ITU LOW BITRATE CODING GROUP), no. LBC-97-081, 25 February 1997 (1997-02-25), XP030029139, ISSN: 0000-0109

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US 2004081241 A1 20040429; US 7664182 B2 20100216; AT E447294 T1 20091115; AU 2005204229 A1 20050915; AU 2005204229 B2 20070614; BR 0205954 A 20040203; BR PI0205954 B1 20180320; CA 2426780 A1 20030423; CA 2426780 C 20071127; CN 1223200 C 20051012; CN 1479999 A 20040303; CN 1777284 A 20060524; CN 1777284 B 20110209; DE 60234196 D1 20091210; EP 1422944 A1 20040526; EP 1422944 A4 20060503; EP 1422944 B1 20091028; EP 1422944 B8 20100217; EP 2131591 A1 20091209; EP 2804325 A1 20141119; EP 2804325 B1 20171004; EP 3240196 A1 20171101; EP 3240196 B1 20190403; EP 3490154 A1 20190529; EP 3490154 B1 20210317; EP 3490155 A1 20190529; EP 3490155 B1 20200930; EP 3490156 A1 20190529; EP 3490156 B1 20200930; ES 2334894 T3 20100317; ES 2334894 T4 20100621; ES 2655065 T3 20180216; ES 2733117 T3 20191127; ES 2829622 T3 20210601; ES 2834473 T3 20210617; ES 2870967 T3 20211028; KR 100588105 B1 20060608; KR 100736503 B1 20070706; KR 20030062323 A 20030723; KR 20060004707 A 20060112; MX PA03003512 A 20031007; TR 201909206 T4 20190722; US 10015524 B2 20180703; US 10405006 B2 20190903; US 10595051 B2 20200317; US 10602194 B2 20200324; US 2008069241 A1 20080320; US 2010111191 A1 20100506; US 2014177705 A1 20140626; US 2016198196 A1 20160707; US 2017150184 A1 20170525; US 2018027261 A1 20180125; US 2018041780 A1 20180208; US 2018041781 A1 20180208; US 2018288445 A1 20181004; US 2019313127 A1 20191010; US 2019313128 A1 20191010; US 8040954 B2 20111018; US 8699579 B2 20140415; US 9325988 B2 20160426; US 9602844 B2 20170321; US 9826255 B2 20171121; US 9986264 B2 20180529; US 9986265 B2 20180529; WO 03021964 A1 20030313

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